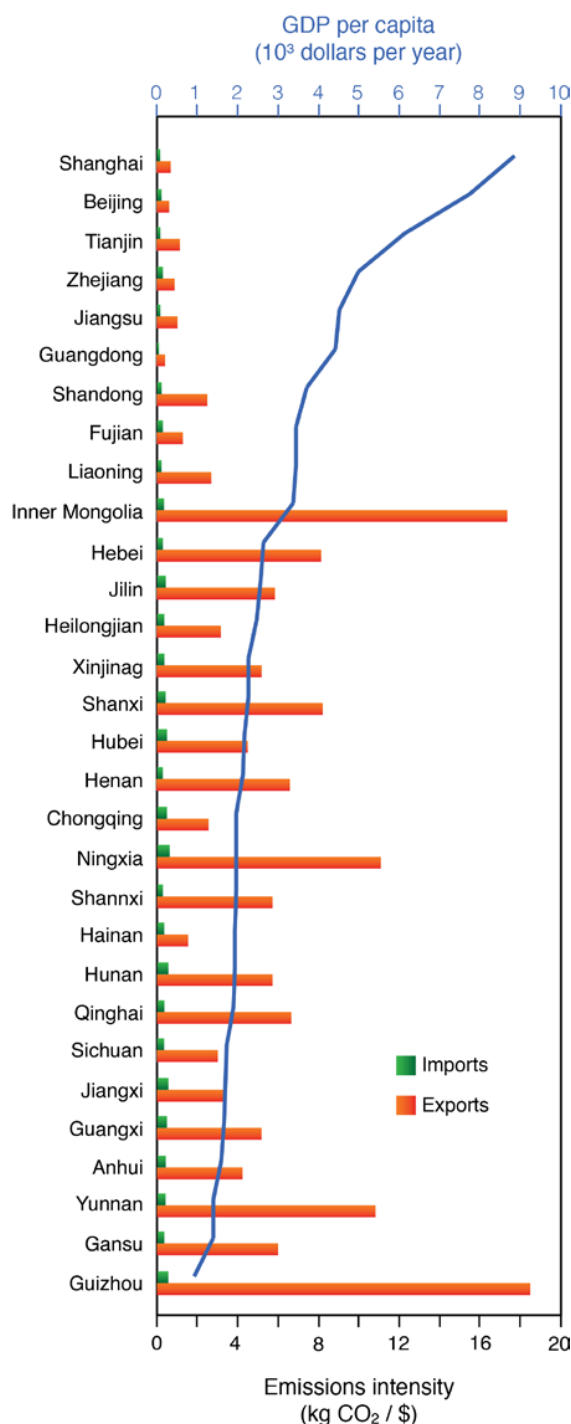
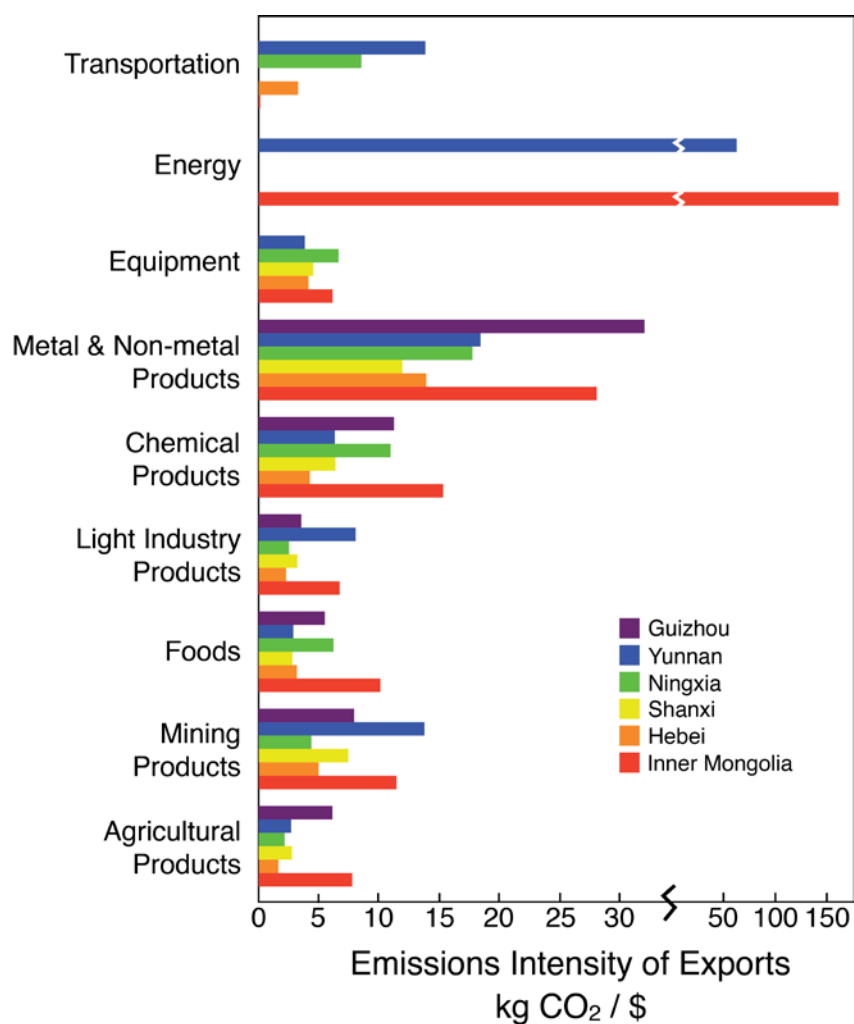


Targeted opportunities to address the climate-trade dilemma in China

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Extended Data Figure 1 | Emissions intensity of trade and GDP per capita of Chinese provinces in 2007. Kilograms of CO₂ per dollar of output in each of 30 Chinese cities/provinces for international export (red bars), as well as the emissions intensity of goods imported to the city/province from outside China (green bars). The blue curve shows GDP per capita in each city/province according to the top axis.



Extended Data Figure 2 | Sector-specific emissions intensity. In the six provinces with the highest emissions intensity, the energy sector dominates in Yunnan and Inner Mongolia, metal and non-metal products are intensive in all the provinces, especially Guizhou, and chemical products are also notably intensive. Where there are no bars, there are no exports from that sector-province.

Extended Data Table 1 | Sector classification.

Sector code	Original sectors	Aggregated sectors
1	Farming, Forestry, Animal Husbandry, Fishery and Water Conservancy	Agriculture products
2	Coal Mining and Dressing	Mining products
3	Petroleum and Natural Gas Extraction	
4	Ferrous Metals Mining and Dressing	
5	Nonferrous Metals Mining and Dressing	

6	Nonmetal Minerals Mining and Dressing	
7	Other Minerals Mining and Dressing	
8	Food Processing	Foods
9	Food Production	
10	Beverage Production	
11	Logging and Transport of Wood and Bamboo	Light industry products
12	Tobacco Processing	
13	Textile Industry	
14	Garments and Other Fiber Products	
15	Leather, Furs, Down and Related Products	
16	Timber Processing, Bamboo, Cane, Palm Fiber & Straw Products	
17	Furniture Manufacturing	
18	Papermaking and Paper Products	
19	Printing and Record Medium Reproduction	
20	Cultural, Educational and Sports Articles	
21	Petroleum Processing and Coking	Chemical products
22	Raw Chemical Materials and Chemical Products	
23	Medical and Pharmaceutical Products	
24	Chemical Fiber	
25	Rubber Products	
26	Plastic Products	
27	Nonmetal Mineral Products	No metal and Metal products
28	Smelting and Pressing of Ferrous Metals	
29	Smelting and Pressing of Nonferrous Metals	
30	Metal Products	
31	Ordinary Machinery	Equipment
32	Equipment for Special Purposes	
33	Transportation Equipment	
34	Electric Equipment and Machinery	
35	Electronic and Telecommunications Equipment	
36	Instruments, Meters, Cultural and Office Machinery	
37	Other Manufacturing Industry	
38	Production and Supply of Electric Power, Steam and Hot Water	Energy
39	Production and Supply of Gas	
40	Production and Supply of Tap Water	
41	Construction	Building
42	Transportation, Storage, Post and Telecommunication Services	Transportation
43	Wholesale, Retail Trade and Catering Services	Services
44	Others	
45	Urban Household Consumption	Household Consumption
46	Rural Household Consumption	

Extended Data Table 2

The abbreviations of sectors in Figure 2.

Abbreviation	Sector
Ag.	Agriculture, Fishing & Forestry
Mining	Mining
Min.	Mineral Production
Metal	Metal Production
Elec.	Electricity Production
Petrochem	Petrochemicals & Plastics Production
Gas	Gas production
Manf.	Manufacturing products
Vehicles	Motor Vehicles & Transport Equipment Production
Food	Food & Beverage Production
Clothing	Clothing
Wood	Wood, Paper & Publishing
Const.	Construction
Trade	Trade
Transport	Transportation
Svcs.	Services
Pub. Admin.	Public Services